**1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.**

**\* =Expression**

**'hello' = value**

**-87.8 = value**

**- = Expression**

**/ = Expression**

* **= Expression**

**6 = value**

**2. What is the difference between string and variable?**

**String represent “TEXT” . eg=name**

**Variable = it is like a container that holds DATA TYPES(int , float ,etc)**

**3. Describe three different data types.**

**Int = which return integer or numeric value.**

**Float = which return decimal value.**

**String = which returns TEXT**

**List= store multiple data types in single variable.**

**4. What is an expression made up of? What do all expressions do?**

**Expression is made up of Special Characters, symbols, mathematical operators.**

**They do help in printing results on screen**

**5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?**

**Ans = a single line of code that do specific task**

**6. After running the following code, what does the variable bacon contain?**

**bacon = 22**

**bacon + 1**

**Ans = bacon contains 23 because initially, it is 22 and after incremented by 1 so it is 23**

**7. What should the values of the following two terms be?**

**'spam' + 'spamspam'**

**'spam' \* 3**

**Ans = 'spam' + 'spamspam' = == = = ‘sapmspamspam’**

**'spam' \* 3 == ==== ‘sapmspamspam’**

**8. Why is eggs a valid variable name while 100 is invalid?**

**Because the egg is a string variable and It has a name**

**but 100 is an integer you can’t give an integer as a name**

**9. What three functions can be used to get the integer, floating-point number, or string version of a value?**

**Ans =  str() , int(), float()**

**10. Why does this expression cause an error? How can you fix it?**

**'I have eaten ' + 99 + ' burritos.'**

**Ans= because 99 is an integer you can not concatenate integers with strings**